

**METHODS AND SYSTEMS FOR DETERMINING SUCCESSFUL  
COMPLETION OF A NETWORK OF PROCESSES**

Abstract of the Disclosure

5           The present invention involves methods and systems for managing successful  
completion of a network of processes. The network of processes can be represented as a  
graph. In this representation, the nodes of the graph represent the processes, and the  
edges of the graph represent events associated with the processes. Processing starts at the  
root node, and is based on the result of an initially unknown graph. When an event is to  
10 be produced or consumed, a message to that effect is transmitted to a component called a  
Q-Manager. Using the messages, which are received in event order, the Q-Manager  
keeps track of the state of the graph, and determines when successful completion of the  
processing has occurred. Once this occurs, the Q-Manager sends a notification indicating  
completion of the network.

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